

ARG58802 anti-hnRNP F antibody

Package: 50 µg
Store at: -20°C

Summary

Product Description	Rabbit Polyclonal antibody recognizes hnRNP F
Tested Reactivity	Hu, Ms, Rat
Tested Application	FACS, ICC/IF, IHC-P, WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	hnRNP F
Species	Human
Immunogen	Synthetic peptide corresponding to aa. 23-53 of Human hnRNP F (SVEDVQNFLSDCTIHDGAAGVHFIYTREGRQ).
Conjugation	Un-conjugated
Alternate Names	HNRPF; Nucleolin-like protein mcs94-1; mcs94-1; hnRNP F; Heterogeneous nuclear ribonucleoprotein F; OK/SW-cl.23

Application Instructions

Application table	Application	Dilution
	FACS	1:150 - 1:500
	ICC/IF	1:200 - 1:1000
	IHC-P	0.5 - 1 µg/ml
	WB	0.1 - 0.5 µg/ml

Application Note IHC-P: Antigen Retrieval: Heat mediation was performed in Citrate buffer (pH 6.0) for 20 min.
* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.

Properties

Form	Liquid
Purification	Affinity purification with immunogen.
Buffer	0.9% NaCl, 0.2% Na ₂ HPO ₄ , 0.05% Sodium azide and 5% BSA.
Preservative	0.05% Sodium azide
Stabilizer	5% BSA
Concentration	0.5 mg/ml
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated

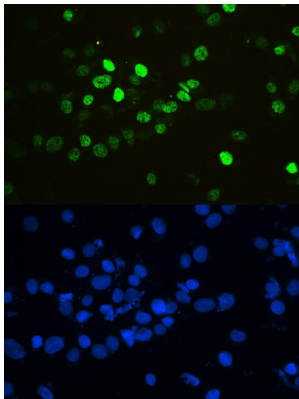
freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.

Note For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

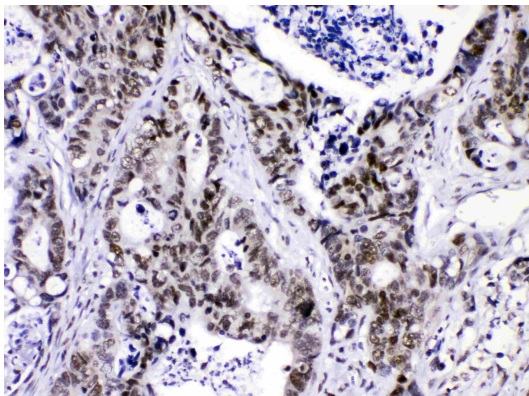
Gene Symbol	HNRNPF
Gene Full Name	heterogeneous nuclear ribonucleoprotein F
Background	This gene belongs to the subfamily of ubiquitously expressed heterogeneous nuclear ribonucleoproteins (hnRNPs). The hnRNPs are RNA binding proteins that complex with heterogeneous nuclear RNA (hnRNA). These proteins are associated with pre-mRNAs in the nucleus and regulate alternative splicing, polyadenylation, and other aspects of mRNA metabolism and transport. While all of the hnRNPs are present in the nucleus, some seem to shuttle between the nucleus and the cytoplasm. The hnRNP proteins have distinct nucleic acid binding properties. The protein encoded by this gene has three repeats of quasi-RRM domains that bind to RNAs which have guanosine-rich sequences. This protein is very similar to the family member hnRPH. Multiple alternatively spliced variants, encoding the same protein, have been identified. [provided by RefSeq, Jul 2008]
Function	Component of the heterogeneous nuclear ribonucleoprotein (hnRNP) complexes which provide the substrate for the processing events that pre-mRNAs undergo before becoming functional, translatable mRNAs in the cytoplasm. Plays a role in the regulation of alternative splicing events. Binds G-rich sequences in pre-mRNAs and keeps target RNA in an unfolded state. [UniProt]
Calculated Mw	46 kDa
PTM	Sumoylated. [UniProt]
Cellular Localization	Nucleus, nucleoplasm. [UniProt]

Images



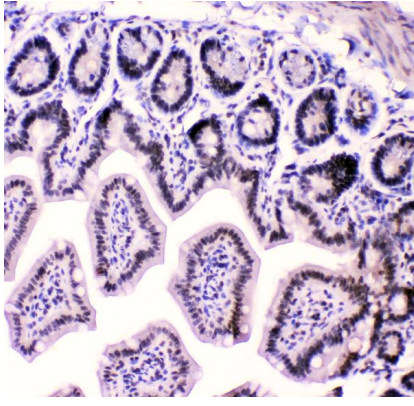
ARG58802 anti-hnRNP F antibody ICC/IF image

Immunofluorescence: SK-OV-3 cells were blocked with 10% goat serum and then stained with ARG58802 anti-hnRNP F antibody (green) at 2 µg/ml dilution, overnight at 4°C. DAPI (blue) for nuclear staining.



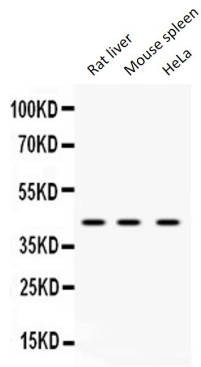
ARG58802 anti-hnRNP F antibody IHC-P image

Immunohistochemistry: Paraffin-embedded Human intestinal cancer stained with ARG58802 anti-hnRNP F antibody at 1 µg/ml dilution.



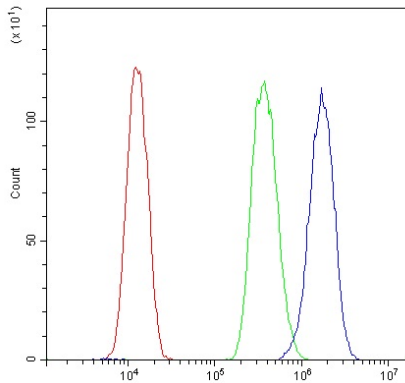
ARG58802 anti-hnRNP F antibody IHC-P image

Immunohistochemistry: Paraffin-embedded Mouse intestine tissue. Antigen Retrieval: Heat mediation was performed in Citrate buffer (pH 6.0) for 20 min. The tissue section was blocked with 10% goat serum. The tissue section was then stained with ARG58802 anti-hnRNP F antibody at 1 µg/ml dilution, overnight at 4°C.



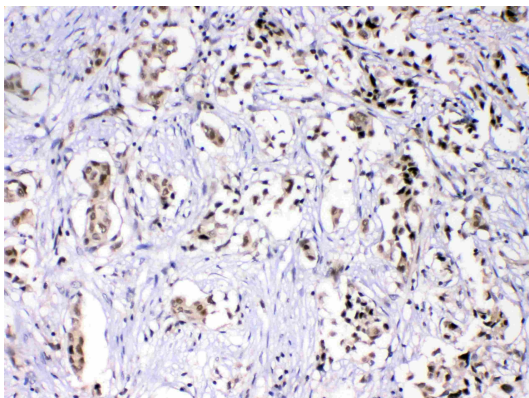
ARG58802 anti-hnRNP F antibody WB image

Western blot: Rat liver, Mouse spleen and HeLa lysates stained with ARG58802 anti-hnRNP F antibody at 0.5 µg/ml dilution.



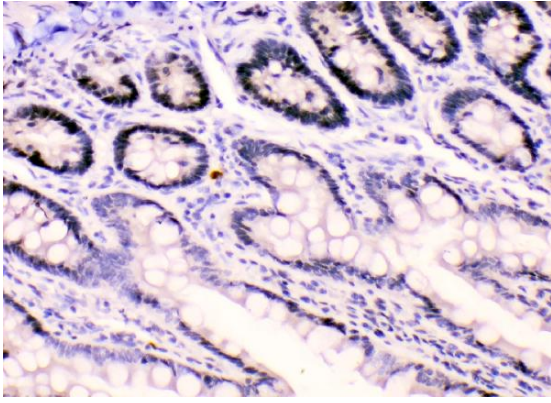
ARG58802 anti-hnRNP F antibody FACS image

Flow Cytometry: U87 cells were blocked with 10% normal goat serum and then stained with ARG58802 anti-hnRNP F antibody (blue) at 1 µg/10⁶ cells for 30 min at 20°C, followed by incubation with DyLight[®]488 labelled secondary antibody. Isotype control antibody (green) was rabbit IgG (1 µg/10⁶ cells) used under the same conditions. Unlabelled sample (red) was also used as a control.



ARG58802 anti-hnRNP F antibody IHC-P image

Immunohistochemistry: Paraffin-embedded Human mammary cancer stained with ARG58802 anti-hnRNP F antibody at 1 µg/ml dilution.



ARG58802 anti-hnRNP F antibody IHC-P image

Immunohistochemistry: Paraffin-embedded Rat intestine tissue. Antigen Retrieval: Heat mediation was performed in Citrate buffer (pH 6.0) for 20 min. The tissue section was blocked with 10% goat serum. The tissue section was then stained with ARG58802 anti-hnRNP F antibody at 1 $\mu\text{g}/\text{ml}$ dilution, overnight at 4°C.